### WE CLAIM:

1. A compound or a pharmaceutically acceptable salt or a prodrug derivative thereof represented by formula (IA):

$$Z_{P} \xrightarrow{(L_{P2})} \xrightarrow{(L_{P1})} \xrightarrow{RP_{3}} \xrightarrow{RP_{3}} \xrightarrow{RT_{3}} \xrightarrow{(IA)} \xrightarrow{RT_{3}} \xrightarrow{(IA)} Z_{TB}$$

wherein

R and R' are independently  $C_1$ - $C_5$  alkyl,  $C_1$ - $C_5$  fluoroalkyl, or together R and R' form a substituted or unsubstituted, saturated or unsaturated carbocyclic ring having from 3 to 8 carbon atoms;

RP<sub>3</sub> and RB are independently selected from hydrogen, halo,  $C_1$ - $C_5$  alkyl,  $C_1$ - $C_5$  fluoroalkyl, -O- $C_1$ - $C_5$  alkyl, -S- $C_1$ - $C_5$  alkyl, -O- $C_1$ - $C_5$  fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S- $C_1$ - $C_5$  fluoroalkyl,  $C_2$ - $C_5$  alkenyl,  $C_3$ - $C_5$  cycloalkyl, or  $C_3$ - $C_5$  cycloalkenyl;

RP, RT<sub>3</sub>, and RB' are independently selected from hydrogen, halo, C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -O-C<sub>1</sub>-C<sub>5</sub> alkyl, -S-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, or C<sub>3</sub>-C<sub>5</sub> cycloalkenyl;

 $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{TB})$  are divalent linking groups independently selected from the group consisting of

a bond , 
$$\begin{array}{c} OH \\ \hline --(CH_2)_{\overline{m}} --CH ---- \end{array} ,$$
 
$$\begin{array}{c} --(CH_2)_{\overline{m}} -O --- \end{array} ,$$

where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl;

Z<sub>P</sub> is

branched C<sub>3</sub>-C<sub>5</sub> alkyl,

3-methyl-3-hydroxypentyl,

3-methyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentyl,

3-ethyl-3-hydroxypentenyl,

3-ethyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentynyl,

- 3-ethyl-3-hydroxy-4-methylpentenyl,
- 3-ethyl-3-hydroxy-4-methylpentynyl,
- 3-propyl-3-hydroxypentyl,
- 3-propyl-3-hydroxypentenyl,
- 3-propyl-3-hydroxypentynyl,
- 1-hydroxy-2-methyl-1-(methylethyl)propyl,
- 2-methyl-3-hydroxy-4-dimethylpentyl,
- 2-methyl-3-hydroxy-3-ethylpentyl,
- 2-ethyl-3-hydroxy-3-ethylpentyl,
- 2-ethyl-3-hydroxy-4-dimethylpentyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,
- 1-hydroxycyclopentenyl,
- 1-hydroxycyclohexenyl,
- 1-hydroxycycloheptenyl,
- 1-hydroxycyclooctenyl,
- 1-hydroxycyclopropyl,
- 1-hydroxycyclobutyl,
- 1-hydroxycyclopentyl,
- 1-hydroxycyclohexyl,
- 2-oxocyclohexyloxy,
- 2-oxocyclohexylmethyl,
- 3-methyl-2-oxocyclohexyloxy,
- 3-methyl-2-oxocyclohexylmethyl,
- 3,3-dimethyl-2-oxocyclohexyloxy,
- 3,3-dimethyl-2-oxocyclohexylmethyl,
- 2-hydroxycyclohexyloxy,
- 2-hydroxycyclohexylmethyl,

3-methyl-2-hydroxycyclohexyloxy,

3-methyl-2-hydroxycyclohexylmethyl,

3,3-dimethyl-2-hydroxycyclohexyloxy,

3,3-dimethyl-2-hydroxycyclohexylmethyl,

1-hydroxycycloheptyl, or

1-hydroxycyclooctyl;

# provided, however, that when

Z<sub>P</sub> is

3-methyl-3-hydroxypentyl,

3-methyl-3-hydroxypentenyl,

3-methyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentyl,

3-ethyl-3-hydroxypentenyl,

3-ethyl-3-hydroxypentynyl,

3-ethyl-3-hydroxy-4-methylpentyl,

3-ethyl-3-hydroxy-4-methylpentenyl,

3-ethyl-3-hydroxy-4-methylpentynyl,

3-propyl-3-hydroxypentyl,

3-propyl-3-hydroxypentenyl,

3-propyl-3-hydroxypentynyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-methyl-3-hydroxy-4,4-dimethylpentenyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

3-ethyl-3-hydroxy-4,4-dimethylpentenyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

2-methyl-3-hydroxy-4-dimethylpentyl,

2-methyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-4-dimethylpentyl, or

1-hydroxy-2-methyl-1-(methylethyl)propyl;

then (L<sub>P1</sub>) and (L<sub>P2</sub>) combine as a bond;

## Z<sub>TB</sub> is selected from

- $-O-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_2-C_5 \text{ alkenyl}),$
- -O-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),
- -O-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- $-O-(C_1-C_5 \text{ hydroxyalkyl}),$
- $-O-(C_1-C_5 \text{ fluoroalkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})$ -phenyl,
- $-O-(C_1-C_5 \text{ alkyl})-(O)-(C_1-C_5 \text{ alkyl}),$
- -O-( $C_1$ - $C_5$  alkyl) NH<sub>2</sub>,
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH-5-tetrazolyl,
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $\hbox{-O-(C$_1$-C$_5$ alkyl)-C(O)-(O-C$_1$-C$_5$ alkyl),}\\$
- $-O-(C_1-C_5 \text{ alkyl})-NH_2$
- -O-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -O-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -O-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl,)
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- -O-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),

- $-O-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- -O- $(C_1-C_5 \text{ alkyl})$ -SO<sub>2</sub>- $(C_1-C_5 \text{ alkyl})$ ,
- -O-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl,)
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$
- -O- $(C_1$ - $C_5$  alkyl)-S(O)-NH- $(C_1$ - $C_5$  alkyl),
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$
- -O-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- $-O-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$ ,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -O-CH<sub>2</sub>-CO<sub>2</sub>H,
- -O-CH<sub>2</sub>-5-tetrazolyl,
- $-O-(C_1-C_5 \text{ alkyl}),$
- -O-C(O)-NH2,
- -O-C(O)-N-(CH<sub>3</sub>)<sub>2</sub>,
- $-O_{-}C(S)-N_{-}(CH_3)_2$ ,
- -O-C(O)-O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -O-(5-tetrazolyl),
- $\hbox{-O-SO}_2\hbox{-(}C_1\hbox{-}C_5\hbox{ alkyl,})$
- $-O-SO_2-NH_2$ ,
- -O-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -O-SO<sub>2</sub>-N- $(C_1$ -C<sub>5</sub> alkyl)<sub>2</sub>,
- $-O-S(O)-(C_1-C_5 \text{ alkyl,})$
- -O-S(O)-NH2,
- $-O-S(O)-NH-(C_1-C_5 alkyl)$ ,
- $-O-S(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S-(C_1-C_5 \text{ alkyl}),$
- -S-(C<sub>2</sub>-C<sub>5</sub> alkenyl),
- -S-(C3-C5 cycloalkyl),

- -S-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- $-S-(C_1-C_5 \text{ alkyl})$ -phenyl,
- -S-( $C_1$ - $C_5$  alkyl)-O-( $C_1$ - $C_5$  alkyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- -S-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-S-(C_1-C_5 \text{ alkyl}) \text{ NH}_2$
- $-S-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- -S-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -S- $(C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $\hbox{-S-(C$_1$-C$_5$ alkyl)-SO$_2$-(C$_1$-C$_5$ alkyl),}\\$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- $\hbox{-S-(C$_1$-C$_5$ alkyl)-SO$_2$-N-(C$_1$-C$_5$ alkyl)$_2$,}\\$
- $\hbox{-S-(C$_1$-C$_5$ alkyl)-SO$_2$-(C$_1$-C$_5$ alkyl),}\\$
- -S-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub> ,
- $-S-(C_1-C_5 \text{ alkyl})-5-\text{tetrazolyl},$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$

- $-S-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2-(C_1-C_5 \text{ alkyl}),$
- -SO<sub>2</sub>-(C<sub>2</sub>-C<sub>5</sub> alkenyl),
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),"
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- $-SO_2$ -( $C_1$ - $C_5$  hydroxyalkyl),
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- $-SO_2-(C_1-C_5)$ -phenyl,
- -SO<sub>2</sub>-NH<sub>2</sub>
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)OH,
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)OH,
- -SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NHC(O)-(C<sub>3</sub>-C<sub>6</sub> cycloalkyl),
- $-SO_2$ -NH-C(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- $-SO_2-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$
- $-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>
- $-SO_2$ - $(C_1$ - $C_5$  alkyl)-C(O)-NH- $(C_1$ - $C_5$  alkyl),
- $-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-SO_2-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,

$$-SO_2$$
- $(C_1$ - $C_5$  alkyl)-5-tetrazolyl,

$$-SO_2-(C_1-C_5 \ alkyl)-SO_2-(C_1-C_5 \ alkyl),$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2$$
-(C<sub>1</sub>-C5 alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C5 alkyl)<sub>2</sub>

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl})\text{-}\mathsf{P}(\mathsf{O})\text{-}(\mathsf{O}\text{-}\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl})_2\;,$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl),

-SO<sub>2</sub>-(
$$C_1$$
- $C_5$  hydroxyalkyl),

$$-SO_2-(C_1-C_5 fluoroalkyl),$$

$$-SO_2-(C_1-C_5)$$
-phenyl,

$$-SO_2-N=CHN(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$\hbox{-S(O)-NH-CH}_2\hbox{-C(O)OH}$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)OH,$$

$$\hbox{-S(O)-NH-CH$_2$-C(O)(O-C$_1$-C$_5$ alkyl),}\\$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-5-\text{tetrazolyl},$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-SO$_2$-NH-(C$_1$-C$_5$ alkyl),}\\$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-S(O)-NH-(C$_1$-C$_5$ alkyl),}\\$$

$$-S(O)-(C_1-C_5)$$
 alkyl)- $SO_2-N-(C_1-C_5)$  alkyl)<sub>2</sub>,

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_{2,}$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-S(O)-(C$_1$-C$_5$ alkyl),}\\$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2\;,$$

$$-S(O)-N=CHN(C_1-C_5 \text{ alkyl}) 2$$

- $-NHC(S)NH_{2}$
- -NHC(S)NH-(C1-C5 alkyl),
- -NHC(S)N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-(C2-C5 alkenyl),
- -NHC(S)NH-(C3-C5 cycloalkyl),
- -NHC(S)NH-(C3-C5 cycloalkenyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -NHC(S)NH-C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl)
- -NHC(S)NH-phenyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- $-NHC(S)NH-(C_1-C_5 alkyl)-C(O)-(O-C_1-C_5 alkyl),$
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH<sub>2</sub>,
- $\hbox{-NHC(S)NH-(C$_1$-C$_5 alkyl)-C(O)-NH-(C$_1$-C$_5 alkyl),}\\$
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-N-pyrrolidin-2-one,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-N-pyrrolidine,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- $-NHC(O)NH_2$ ,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl),
- -NHC(0)N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-(C2-C5 alkenyl),
- -NHC(O)NH-(C3-C5 cycloalkyl),
- -NHC(O)NH-(C3-C5 cycloalkenyl),
- -NHC(O)NH-( $C_1$ - $C_5$  hydroxyalkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  fluoroalkyl),
- -NHC(O)NH-phenyl,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-(C1-C $_5$  alkyl)-O-(C $_1$ -C $_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH<sub>2</sub>,
- -NHC(O)NH- $(C_1-C_5 \text{ alkyl})$ -NH- $(C_1-C_5 \text{ alkyl})$ ,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>.
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),

- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-

(1-methylpyrrolidin-2-one-3-yl),

- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO $_2$ -NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-P(O)-O-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NH<sub>2</sub>
- -NH- $(C_1-C_5 \text{ alkyl})$ ,
- -NH-CH<sub>2</sub>-C(O)OH,
- $-N-(C_1-C_5 \text{ alkyl})_2$
- -NH-C(O)-NH2,
- -NH-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NH-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NH-C(O)-( $C_1$ - $C_5$  alkyl),
- -NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- $-NH-S(O)-(C_1-C_5 \text{ alkyl});$
- $-N(CH_3)(OCH_3),$
- $-N(OH)(CH_3),$
- -N-pyrrolidin-2-one,
- -N-pyrrolidine,
- -(1-methylpyrrolidin-2-one-3-yl),

- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>S(O)Et,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Me,
- $-C(O)CH_2S(O)_2Et$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- $-C(O)CH_2CH_2S(O)_2Me$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO2tBu,
- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>H,
- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,

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- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- $-C(O)C(O)NMe_2$ ,
- -C(O)NH<sub>2</sub>
- $-C(O)NMe_2$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH2-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- -C(O)NH-C(Me)<sub>2</sub>-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- $-C(O)NH-C(Me)_2-C(O)OEt$ ,
- $-C(O)NH-C(Me)_2-C(O)iPr$ ,
- $-C(O)NH-C(Me)_2-C(O)tBu$ ,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,

- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-CF(Me)-C(O)OH,
- $-C(O)NH-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)2-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,

- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me;
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Et,
- $-C(O)NHCH_2CH_2S(O)Me$ ,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO<sub>2</sub>iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO<sub>2</sub>tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH2CH2SO2Me,
- -C(O)N(Me)CH2CH2SO2Et,

- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH<sub>2</sub>NHS(O)Et,
- -CH2NHSO2Me,
- -CH2NHSO2Et,
- -CH2NHS(O)iPr,
- -CH2NHSO2iPr,
- $-CH_2NHS(O)tBu,\\$
- -CH2NHSO2tBu,
- -CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>,
- -CH2NH(CH2CO2H),
- $-CH_2N(C(O)Me)(CH_2CO_2H),$
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>S(O)iPr,
- $-CH_2S(O)_2iPr$ ,
- -CH<sub>2</sub>S(O)tBu,
- -CH2S(O)2tBu,
- -CH<sub>2</sub>CO<sub>2</sub>H, CH<sub>2</sub>C(O)NH<sub>2</sub>,
- $-CH_2C(O)NMe_2$ ,
- -CH<sub>2</sub>C(O)NHMe,

- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,
- $-CH(OH)C(O)NH_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $-CH_2CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- $-CH_2CH_2C(O)NMe_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- -CH2CH2S(O)iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH2CH2S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- $-CH_2CH_2S(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NMe<sub>2</sub>,
- $-CH_2CH_2S(O)_2NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,

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-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,

 $-CH_2CH_2CH_2S(O)_2Et,\\$ 

CH(Me)CH<sub>2</sub>C(O)OH,

-C(Me)<sub>2</sub>CH<sub>2</sub>C(O)OH,

-5-tetrazolyl,

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-imidazolidine-2,4-dione-5-yl,

-isoxazol-3-ol-yl, or

-1,3,4-oxadiazolin-2-thione-5-yl;

provided that RB is substituted at either the 6 or 7 position of the benzothiophene ring, except that RB is substituted only at the 7 position of the benzothiophene ring when Z<sub>TB</sub> is at the 6 position.; and

provided that -( $L_{TB}$ )- $Z_{TB}$  is substituted at either the 5 or 6 position of the benzothiophene ring; and

provided that RB is substituted at either the 6 or 7 position of the benzothiophene ring, except that RB is substituted only at the 7 position of the benzothiophene ring when the group  $-(L_{TB})-Z_{TB}$  is at the 6 position.; and

provided that RB' is substituted at either the 4 or 5 position of the benzothiophene ring, except that RB' is substituted only at the 5 position of the benzothiophene ring when the group  $-(L_{TB})$ - $Z_{TB}$  is at the 6 position of the phenyl ring; and

provided that RP is substituted at either the 2, or 5 or 6 position of the phenyl ring.

2. A compound or a pharmaceutically acceptable salt or a prodrug derivative thereof represented by formula (IB):

$$Z_{P} \xrightarrow{(L_{P2})} (L_{P1}) \xrightarrow{R} RB_{3} \xrightarrow{R} RB_{4} \xrightarrow{R} RT_{3} \xrightarrow{(IB)} Z_{BT}$$

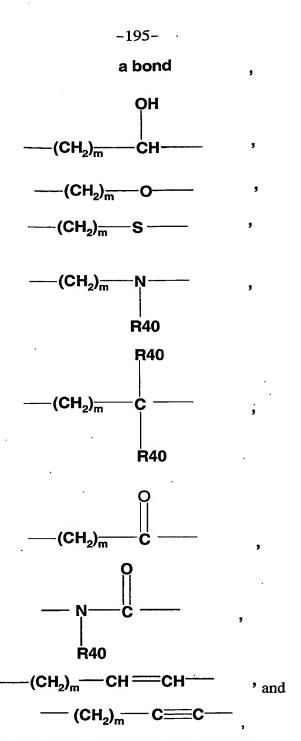
wherein

R and R' are independently C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, or together R and R' form a substituted or unsubstituted, saturated or unsaturated carbocyclic ring having from 3 to 8 carbon atoms;

RP, RB<sub>4</sub>, RT<sub>3</sub>, and RB are independently selected from the group consisting of hydrogen, halo, C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -O-C<sub>1</sub>-C<sub>5</sub> alkyl, -S-C<sub>1</sub>-C<sub>5</sub> alkyl, -O-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, and C<sub>3</sub>-C<sub>5</sub> cycloalkenyl;

 $RP_3$  and  $RB_7$  are independently selected from hydrogen, halo,  $C_1$ - $C_5$  alkyl,  $C_1$ - $C_5$  fluoroalkyl, -O- $C_1$ - $C_5$  alkyl, -S- $C_1$ - $C_5$  alkyl, -O- $C_1$ - $C_5$  fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S- $C_1$ - $C_5$  fluoroalkyl,  $C_2$ - $C_5$  alkenyl,  $C_3$ - $C_5$  cycloalkyl, or  $C_3$ - $C_5$  cycloalkenyl;

 $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{BT})$  are divalent linking groups independently selected from the group consisting of



where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl;

Z<sub>P</sub> is

branched C<sub>3</sub>-C<sub>5</sub> alkyl,
3-methyl-3-hydroxypentyl,

- 3-methyl-3-hydroxypentenyl,
- 3-methyl-3-hydroxypentynyl,
- 3-ethyl-3-hydroxypentyl,
- 3-ethyl-3-hydroxypentenyl,
- 3-ethyl-3-hydroxypentynyl,
- 3-ethyl-3-hydroxy-4-methylpentyl,
- 3-ethyl-3-hydroxy-4-methylpentenyl,
- 3-ethyl-3-hydroxy-4-methylpentynyl,
- 3-propyl-3-hydroxypentyl,
- 3-propyl-3-hydroxypentenyl,
- 3-propyl-3-hydroxypentynyl,
- 1-hydroxy-2-methyl-1-(methylethyl)propyl,
- 2-methyl-3-hydroxy-4-dimethylpentyl,
- 2-methyl-3-hydroxy-3-ethylpentyl,
- 2-ethyl-3-hydroxy-3-ethylpentyl,
- 2-ethyl-3-hydroxy-4-dimethylpentyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,
- 1-hydroxycycyclopentenyl,
- 1-hydroxycyclohexenyl,
- 1-hydroxycycloheptenyl,
- 1-hydroxycyclooctenyl,
- 1-hydroxycyclopropyl,
- 1-hydroxycyclobutyl,
- 1-hydroxycyclopentyl,
- 1-hydroxycyclohexyl,
- 2-oxocyclohexyloxy,
- 2-oxocyclohexylmethyl,

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- 3-methyl-2-oxocyclohexyloxy,
- 3-methyl-2-oxocyclohexylmethyl,
- 3,3-dimethyl-2-oxocyclohexyloxy,
- 3,3-dimethyl-2-oxocyclohexylmethyl,
- 2-hydroxycyclohexyloxy,
- 2-hydroxycyclohexylmethyl,
- 3-methyl-2-hydroxycyclohexyloxy,
- 3-methyl-2-hydroxycyclohexylmethyl,
- 3,3-dimethyl-2-hydroxycyclohexyloxy,
- 3,3-dimethyl-2-hydroxycyclohexylmethyl,
- 1-hydroxycycloheptyl, or
- 1-hydroxycyclooctyl;

## provided, however, that when

#### Z<sub>P</sub> is

- 3-methyl-3-hydroxypentyl,
- 3-methyl-3-hydroxypentenyl,
- 3-methyl-3-hydroxypentynyl,
- 3-ethyl-3-hydroxypentyl,
- 3-ethyl-3-hydroxypentenyl,
- 3-ethyl-3-hydroxypentynyl,
- 3-ethyl-3-hydroxy-4-methylpentyl,
- 3-ethyl-3-hydroxy-4-methylpentenyl,
- 3-ethyl-3-hydroxy-4-methylpentynyl,
- 3-propyl-3-hydroxypentyl,
- 3-propyl-3-hydroxypentenyl,
- 3-propyl-3-hydroxypentynyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-methyl-3-hydroxy-4,4-dimethylpentyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentenyl,
- 3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

2-methyl-3-hydroxy-4-dimethylpentyl,

2-methyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-4-dimethylpentyl, or

1-hydroxy-2-methyl-1-(methylethyl)propyl;

then (L<sub>P1</sub>) and (L<sub>P2</sub>) combine as a bond;

# ZBT is selected from

- $-O-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_2-C_5 \text{ alkenyl}),$
- -O-(C3-C5 cycloalkyl),
- -O-(C3-C5 cycloalkenyl),
- $-O-(C_1-C_5 \text{ hydroxyalkyl}),$
- -O-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-phenyl,
- $-O-(C_1-C_5 \text{ alkyl})-(O)-(C_1-C_5 \text{ alkyl}),$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl})_2$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH-5-tetrazolyl,
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl})$

- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -O-(C1-C5 alkyl)-N-pyrrolidine,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl},)$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5$  alkyl)- $SO_2-(C_1-C_5$  alkyl),
- -O-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl,)
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- -O-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- -O-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub> ,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -O-CH<sub>2</sub>-CO<sub>2</sub>H,
- -O-CH<sub>2</sub>-5-tetrazolyl,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -O-C(O)-NH2,
- -O-C(O)-N-(CH<sub>3</sub>)<sub>2</sub>,
- $-O-C(S)-N-(CH_3)_2$ ,
- -O-C(O)-O-(C1-C5 alkyl),
- -O-(5-tetrazolyl),
- $-O-SO_2-(C_1-C_5 \text{ alkyl,})$
- -O-SO<sub>2</sub>-NH<sub>2</sub>,
- -O-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- $-O-SO_2-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-O-S(O)-(C_1-C_5 \text{ alkyl,})$

- $-O-S(O)-NH_2$ ,
- $-O-S(O)-NH-(C_1-C_5 alkyl),$
- $-O-S(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S-(C_1-C_5 \text{ alkyl}),$
- -S-(C2-C5 alkenyl),
- -S-(C3-C5 cycloalkyl),
- -S-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- $-S-(C_1-C_5 fluoroalkyl)$ ,
- $-S-(C_1-C_5 \text{ hydroxyalkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})$ -phenyl,
- $-S-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- -S-( $C_1$ - $C_5$  alkyl) NH<sub>2</sub>.
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-S-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- $-S-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -S-( $C_1$ - $C_5$  alkyl)-N-pyrrolidine,
- $-S-(C_1-C_5 \ alkyl)-(1-methylpyrrolidin-2-one-3-yl),\\$
- $\hbox{-S-(C$_1$-C$_5$ alkyl)-SO$_2$-(C$_1$-C5$ alkyl),}\\$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$ ,

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

-S-(
$$C_1$$
- $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub> ,

$$-S-(C_1-C_5 \text{ alkyl})-5-\text{tetrazolyl},$$

-S-(
$$C_1$$
- $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-( $C_1$ - $C_5$  hydroxyalkyl),

$$-SO_2-(C_1-C_5)$$
-phenyl,

$$-SO_2-NH_2$$

$$-SO_2$$
-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$\hbox{-SO}_2\hbox{-NH-}(C_1\hbox{-}C_5 \text{ alkyl})\hbox{-}C(O)OH,$$

$$-SO_2$$
-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2$$
-NH-C(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2-N-(C_1-C_5 alkyl)_2$$
,

$$\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \text{ alkyl})\hbox{-O-}(C_1\hbox{-}C_5 \text{ alkyl}),$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>,

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$
,

$$-SO_2-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
- $(C_1$ - $C_5$  alkyl)- $C(O)$ - $O$ - $(C_1$ - $C_5$  alkyl),

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-OH$$
,

$$-SO_2$$
-( $C_1$ - $C_5$  alkyl)-5-tetrazolyl,

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C5 alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C5 alkyl)<sub>2</sub>,

$$\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \hbox{ alkyl})\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \hbox{ alkyl}),$$

$$\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \text{ alkyl})\hbox{-P(O)-}(O\hbox{-}C_1\hbox{-}C_5 \text{ alkyl})_2\;,$$

$$-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-( $C_2$ - $C_5$  alkenyl),

$$-SO_2-(C_1-C_5 \text{ hydroxyalkyl}),$$

$$-SO_2$$
-( $C_1$ - $C_5$  fluoroalkyl),

$$-SO_2$$
- $(C_1$ - $C_5)$ -phenyl,

$$-SO_2-N=CHN(C_1-C_5 \text{ alkyl})_{2}$$

$$-S(O)-NH2,$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

- $-S(O)-NH-(C_1-C_5 alkyl)-C(O)OH$ ,
- $-S(O)-NH-CH_2-C(O)(O-C_1-C_5 \text{ alkyl}),$
- $-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)(O-C_1-C_5 \text{ alkyl}),$
- $-S(O)HC(O)-(C_3-C_6 \text{ cycloalkyl}),$
- $-S(O)-NH-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-S(O)-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S(O)-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-NH-S(O)-(C_1-C_5 \text{ alkyl}),$
- -S(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -S(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- $-S(O)-(C_1-C_5 \text{ alkyl})-(1-\text{methylpyrrolidin-2-one-3-yl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- $-S(O)-(C_1-C_5 \ alkyl)-5-tetrazolyl,$
- $-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$ ,
- $-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$
- $-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- -S(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$$
,

$$-S(O)-N=CHN(C_1-C_5 \text{ alkyl}) 2$$

- -NHC(S)NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)N- $(C_1-C_5 \text{ alkyl})_2$ ,
- -NHC(S)NH-(C2-C5 alkenyl),
- -NHC(S)NH-(C3-C5 cycloalkyl),
- -NHC(S)NH-(C3-C5 cycloalkenyl),
- -NHC(S)NH-(C1-C5 fluoroalkyl),
- -NHC(S)NH-C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl)
- -NHC(S)NH-phenyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-(O- $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- $-NHC(S)NH-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-S(O)-( $C_1$ - $C_5$  alkyl),

- -NHC(S)NH-(C1-C5 alkyl)-N-pyrrolidin-2-one,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -NHC(S)NH-(C1-C5 alkyl)-5-tetrazolyl,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>,
- -NHC(O)NH-(C2-C5 alkenyl),
- -NHC(O)NH-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),
- -NHC(O)NH-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  fluoroalkyl),
- -NHC(O)NH-phenyl,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-(C1-C $_5$  alkyl)-O-(C $_1$ -C $_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>

- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>,
- -NHC(O)NH-(C1-C5 alkyl)-C(O)-NH2.
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C1-C5 alkyl)-NH-SO2-(C1-C5 alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(O)NH-(C1-C5 alkyl)-N-pyrrolidine,
- $-NHC(O)NH-(C_1-C_5 alkyl)-$

(1-methylpyrrolidin-2-one-3-yl),

- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C1-C5 alkyl)-5-tetrazolyl,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C1-C5 alkyl)-SO2-N-(C1-C5 alkyl)2;
- -NHC(O)NH-(C1-C5 alkyl)-P(O)-O-(C1-C5 alkyl)2 ,
- -NH<sub>2</sub>
- -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NH-CH<sub>2</sub>-C(O)OH,
- $-N-(C_1-C_5 \text{ alkyl})_2$
- -NH-C(O)-NH2,
- -NH-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- $-NH-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- -NH-C(O)-( $C_1$ - $C_5$  alkyl),
- -NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

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- -NH-S(O)-( $C_1$ - $C_5$  alkyl),
- -N(CH<sub>3</sub>)(OCH<sub>3</sub>),
- -N(OH)(CH<sub>3</sub>),
- -N-pyrrolidin-2-one,
- -N-pyrrolidine,
- -(1-methylpyrrolidin-2-one-3-yl),
- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- $-C(O)CH_2S(O)Et$ ,
- $-C(O)CH_2S(O)_2Me$ ,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)CH2CH2S(O)Et,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -C(O)CH2CH2S(O)2Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>tBu,
- -C(O)CH(Me)C(Me) 2CO2H,

- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- -C(O)C(O)NMe2,
- -C(O)NH<sub>2</sub>,
- -C(O)NMe2,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH<sub>2</sub>-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- -C(O)NH-C(Me)2-C(O)OEt,
- -C(O)NH-C(Me)2-C(O)iPr,

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- -C(O)NH-C(Me)<sub>2</sub>-C(O)tBu,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-C(Me)2-C(O)OH,
- -C(O)NH-CF(Me)-C(O)OH,
- $-C(O)NH-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)<sub>2</sub>-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,

- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)NHCH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO2iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO2tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,

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- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH2CH2S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH2CH2SO2Me,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH2NHS(O)Et,
- -CH<sub>2</sub>NHSO<sub>2</sub>Me,
- -CH2NHSO2Et,
- -CH2NHS(O)iPr,
- -CH2NHSO2iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH2NHCH2CH2SO2CH3,
- -CH2NH(CH2CO2H),
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH2-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>S(O)<sub>2</sub>iPr,

- -CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- $\hbox{-CH}_2\hbox{CO}_2\hbox{H, CH}_2\hbox{C(O)}\hbox{NH}_2,$
- - $CH_2C(O)NMe_2$ ,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- - $CH_2S(O)_2Me$ ,  $CH_2S(O)Me$ ,
- -CH(OH) CO<sub>2</sub>H,
- -CH(OH)C(O)NH2,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NE $t_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $\hbox{-CH}_2\hbox{CH}_2\hbox{C(O)}\hbox{NH}_2,$
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- $-CH_2CH_2C(O)NMe_2,\\$
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- $\hbox{-CH}_2\hbox{CH}_2\hbox{S(O)}_2\hbox{Me,}\\$
- $-CH_2CH_2S(O)Me$ ,
- - $CH_2CH_2S(O)_2Et$ ,
- - $CH_2CH_2S(O)$  Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- $-CH_2CH_2S(O)_2iPr$ ,
- -CH2CH2S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- $-CH_2CH_2S(O)NH_2$ ,

-CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,

-CH<sub>2</sub>CH<sub>2</sub>S(O)NMe<sub>2</sub>,

 $-CH_2CH_2S(O)_2NH_2$ ,

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,

- $CH_2CH_2CH_2S(O)_2Et$ ,

CH(Me)CH<sub>2</sub>C(O)OH,

-C(Me)<sub>2</sub>CH<sub>2</sub>C(O)OH,

-5-tetrazolyl,

- -1,3,4-oxadiazolin-2-one-5-yl,
- -imidazolidine-2,4-dione-5-yl,
- -isoxazol-3-ol-yl, or
- -1,3,4-oxadiazolin-2-thione-5-yl;

provided that RP is substituted at either the 2, 5, or 6 position of the phenyl ring.

3. A compound or a pharmaceutically acceptable salt or a prodrug derivative thereof represented by formula (IC):

$$Z_{p} \xrightarrow{(L_{P2})} (L_{P1}) \xrightarrow{R} RB_{q} (IC)$$

$$RP \xrightarrow{R} RB_{q} RB_{q} RB_{q}$$

$$RB_{q} RB_{q} RT_{3}$$

$$RT_{3} RT_{3}$$

$$(L_{BT}) - (Z_{BT})$$

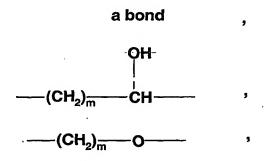
wherein

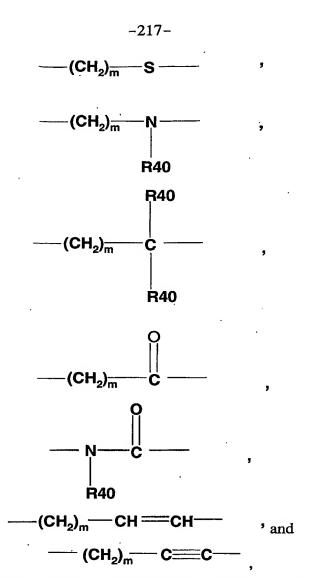
R and R' are independently C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, or together R and R' form a substituted or unsubstituted, saturated or unsaturated carbocyclic ring having from 3 to 8 carbon atoms;

RP, RB<sub>4</sub>, RT<sub>3</sub> and RB are independently selected from the group consisting of hydrogen, halo, C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -O-C<sub>1</sub>-C<sub>5</sub> alkyl, -S-C<sub>1</sub>-C<sub>5</sub> alkyl, -O-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, and C<sub>3</sub>-C<sub>5</sub> cycloalkenyl;

RP<sub>3</sub> and RB<sub>7</sub> are independently selected from hydrogen, halo, C<sub>1</sub>-C<sub>5</sub> alkyl, C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -O-C<sub>1</sub>-C<sub>5</sub> alkyl, -S-C<sub>1</sub>-C<sub>5</sub> alkyl, -O-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, -CN, -NO<sub>2</sub>, acetyl, -S-C<sub>1</sub>-C<sub>5</sub> fluoroalkyl, C<sub>2</sub>-C<sub>5</sub> alkenyl, C<sub>3</sub>-C<sub>5</sub> cycloalkyl, or C<sub>3</sub>-C<sub>5</sub> cycloalkenyl;

 $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{BT})$  are divalent linking groups independently selected from the group consisting of





where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl;

 $Z_P$  is

branched C<sub>3</sub>-C<sub>5</sub> alkyl,

3-methyl-3-hydroxypentyl,

3-methyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentyl,

3-ethyl-3-hydroxypentenyl,

3-ethyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentynyl,

3-ethyl-3-hydroxy-4-methylpentenyl,

3-ethyl-3-hydroxy-4-methylpentynyl,

3-propyl-3-hydroxypentyl,

3-propyl-3-hydroxypentenyl,

3-propyl-3-hydroxypentynyl,

1-hydroxy-2-methyl-1-(methylethyl)propyl,

2-methyl-3-hydroxy-4-dimethylpentyl,

2-methyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-4-dimethylpentyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-methyl-3-hydroxy-4,4-dimethylpentenyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

3-ethyl-3-hydroxy-4,4-dimethylpentenyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

1-hydroxycycyclopentenyl,

1-hydroxycyclohexenyl,

1-hydroxycycloheptenyl,

1-hydroxycyclooctenyl,

1-hydroxycyclopropyl,

1-hydroxycyclobutyl,

1-hydroxycyclopentyl,

1-hydroxycyclohexyl,

2-oxocyclohexyloxy,

2-oxocyclohexylmethyl,

3-methyl-2-oxocyclohexyloxy,

3-methyl-2-oxocyclohexylmethyl,

3,3-dimethyl-2-oxocyclohexyloxy,

3,3-dimethyl-2-oxocyclohexylmethyl,

2-hydroxycyclohexyloxy,

2-hydroxycyclohexylmethyl,

3-methyl-2-hydroxycyclohexyloxy,

3-methyl-2-hydroxycyclohexylmethyl,

3,3-dimethyl-2-hydroxycyclohexyloxy,

3,3-dimethyl-2-hydroxycyclohexylmethyl,

1-hydroxycycloheptyl, or

1-hydroxycyclooctyl;

## provided, however, that when

 $Z_P$  is

3-methyl-3-hydroxypentyl,

3-methyl-3-hydroxypentenyl,

3-methyl-3-hydroxypentynyl,

3-ethyl-3-hydroxypentyl,

3-ethyl-3-hydroxypentenyl,

3-ethyl-3-hydroxypentynyl,

3-ethyl-3-hydroxy-4-methylpentyl,

3-ethyl-3-hydroxy-4-methylpentenyl,

3-ethyl-3-hydroxy-4-methylpentynyl,

3-propyl-3-hydroxypentyl,

3-propyl-3-hydroxypentenyl,

3-propyl-3-hydroxypentynyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-methyl-3-hydroxy-4,4-dimethylpentenyl,

3-methyl-3-hydroxy-4,4-dimethylpentyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

3-ethyl-3-hydroxy-4,4-dimethylpentenyl,

3-ethyl-3-hydroxy-4,4-dimethylpentynyl,

2-methyl-3-hydroxy-4-dimethylpentyl,

2-methyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-3-ethylpentyl,

2-ethyl-3-hydroxy-4-dimethylpentyl, or

1-hydroxy-2-methyl-1-(methylethyl)propyl;

then (L<sub>P1</sub>) and (L<sub>P2</sub>) combine as a bond;

## ZBT is selected from

- $-O-(C_1-C_5 \text{ alkyl}),$
- -O-(C2-C5 alkenyl),
- -O-(C3-C5 cycloalkyl),
- -O-(C3-C5 cycloalkenyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -O-( $C_1$ - $C_5$  alkyl)-phenyl,
- $-O-(C_1-C_5 \text{ alkyl})-(O)-(C_1-C_5 \text{ alkyl}),$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-OH$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH-5-tetrazolyl,
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- -O-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl})$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$

$$-O-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

-O-
$$(C_1-C_5 \text{ alkyl})$$
-SO<sub>2</sub>- $(C_1-C_5 \text{ alkyl})$ ,

-O-(
$$C_1$$
- $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl,)

-O-(
$$C_1$$
- $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),

$$-O-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

-O-
$$(C_1-C_5 \text{ alkyl})$$
-S(O)- $(C_1-C_5 \text{ alkyl})$ ,

-O-
$$(C_1-C_5 \text{ alkyl})$$
-5-tetrazolyl,

$$-O-(C_1-C_5 \text{ alkyl}),$$

$$-O-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$\hbox{-O-SO}_2\hbox{-}(C_1\hbox{-}C_5 \text{ alkyl,})$$

-O-SO<sub>2</sub>-NH-(
$$C_1$$
- $C_5$  alkyl),

-O-SO<sub>2</sub>-N-
$$(C_1$$
-C<sub>5</sub> alkyl)<sub>2</sub>,

-O-S(O)-(
$$C_1$$
- $C_5$  alkyl,)

$$-O-S(O)-NH_2$$
,

-O-S(O)-NH-(
$$C_1$$
- $C_5$  alkyl),

$$-O-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

-S-(
$$C_1$$
- $C_5$  alkyl),

$$-S-(C_2-C_5 \ alkenyl),$$

- -S-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- $-S-(C_1-C_5 fluoroalkyl)$ ,
- -S-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-phenyl,
- $-S-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_{2,}$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>
- $-S-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$
- $-S-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- -S-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH<sub>2</sub>,
- -S-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2,\\$
- $-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$ ,
- $-S_{-}(C_1-C_5 \text{ alkyl})-5\text{-tetrazolyl},$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$

- $-S-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2$ -( $C_1$ - $C_5$  alkyl),
- -SO<sub>2</sub>-(C<sub>2</sub>-C<sub>5</sub> alkenyl),
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- $-SO_2$ -( $C_1$ - $C_5$  hydroxyalkyl),
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- $-SO_2-(C_1-C_5)$ -phenyl,
- $-SO_2-NH_2$
- -SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)OH,
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)OH,
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NHC(O)-(C<sub>3</sub>-C<sub>6</sub> cycloalkyl),
- -SO<sub>2</sub>-NH-C(O)-( $C_1$ - $C_5$  alkyl),
- $-SO_2-N-(C_1-C_5 \text{ alkyl})_{2,}$
- $\hbox{-SO}_2\hbox{-}(\hbox{C}_1\hbox{-}\hbox{C}_5 \text{ alkyl})\hbox{-}\hbox{O-}(\hbox{C}_1\hbox{-}\hbox{C}_5 \text{ alkyl}),$
- $-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>,
- $-SO_2-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$
- $-SO_2-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_{2,}$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>,
- $-SO_2-(C_1-C_5 \ alkyl)-C(O)-NH-(C_1-C_5 \ alkyl),\\$
- $-SO_2-(C_1-C_5 \ alkyl)-C(O)-N-(C_1-C_5 \ alkyl)_2,$
- $-SO_2-(C_1-C_5 \ alkyl)-NH-SO_2-(C_1-C_5 \ alkyl),\\$
- $-SO_2$ - $(C_1$ - $C_5$  alkyl)-N-pyrrolidin-2-one,

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>

$$-SO_2-(C_1-C_5 \ alkyl)-SO_2-NH-(C_1-C_5 \ alkyl),\\$$

$$-SO_2$$
-(C<sub>1</sub>-C5 alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C5 alkyl)<sub>2</sub>,

$$-\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl})\\-\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl}),$$

$$-SO_2-(C_1-C_5 \ alkyl)-P(O)-(O-C_1-C_5 \ alkyl)_2 \ ,$$

$$-SO_2$$
-( $C_1$ - $C_5$  alkyl),

$$-SO_2$$
-( $C_2$ - $C_5$  alkenyl),

$$-SO_2-(C_3-C_5 \text{ cycloalkyl}),$$

-SO<sub>2</sub>-(
$$C_1$$
- $C_5$  hydroxyalkyl),

-SO<sub>2</sub>-(
$$C_1$$
- $C_5$  fluoroalkyl),

$$-SO_2$$
-( $C_1$ - $C_5$ )-phenyl,

-SO<sub>2</sub>-N=CHN(
$$C_1$$
- $C_5$  alkyl) 2,

-S(O)-NH-(
$$C_1$$
- $C_5$  alkyl),

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)OH$$
,

$$-S(O)-NH-CH_2-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$
,

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-(1-\text{methylpyrrolidin-}2-\text{one-}3-\text{yl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-OH$$
,

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \ alkyl)-SO_2-(C_1-C_5 \ alkyl),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \ alkyl)-P(O)-(O-C_1-C_5 \ alkyl)_2 \ ,$$

$$-S(O)-N=CHN(C_1-C_5 \text{ alkyl})_{2}$$

- -NHC(S)NH<sub>2</sub>
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(S)N- $(C_1-C_5 \text{ alkyl})_2$ ,
- -NHC(S)NH-(C2-C5 alkenyl),
- -NHC(S)NH-(C3-C5 cycloalkyl),
- -NHC(S)NH-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- -NHC(S)NH-( $C_1$ - $C_5$  fluoroalkyl),
- -NHC(S)NH-C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl)
- -NHC(S)NH-phenyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-(O- $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- $\hbox{-NHC(S)NH-(C$_1$-C$_5$ alkyl)-NH-S(O)-(C$_1$-C$_5$ alkyl),}\\$
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),

- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH<sub>2</sub>,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(0)N- $(C_1-C_5 \text{ alkyl})_2$ ,
- -NHC(0)NH-(C2-C5 alkenyl),
- -NHC(O)NH-(C3-C5 cycloalkyl),
- -NHC(O)NH-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- -NHC(O)NH-( $C_1$ - $C_5$  hydroxyalkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  fluoroalkyl),
- -NHC(O)NH-phenyl,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>.
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>,
- -NHC(O)NH-(C1-C $_5$  alkyl)-O-(C $_1$ -C $_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH<sub>2</sub>.
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),

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- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(O)NH-(C1-C5 alkyl)-N-pyrrolidine,
- -NHC(O)NH-(C1-C5 alkyl)-

(1-methylpyrrolidin-2-one-3-yl),

- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-P(O)-O-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- $-NH_2$
- -NH-( $C_1$ - $C_5$  alkyl),
- -NH-CH<sub>2</sub>-C(O)OH,
- $-N-(C_1-C_5 \text{ alkyl})_2$
- $-NH-C(O)-NH_2$ ,
- -NH-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NH-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NH-C(O)-( $C_1$ - $C_5$  alkyl),
- -NH-SO $_2$ -(C $_1$ -C $_5$  alkyl),
- -NH-S(O)-( $C_1$ - $C_5$  alkyl),
- -N(CH<sub>3</sub>)(OCH<sub>3</sub>),
- $-N(OH)(CH_3),$
- -N-pyrrolidin-2-one,
- -N-pyrrolidine,
- -(1-methylpyrrolidin-2-one-3-yl),

- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>S(O)Et,
- $-C(O)CH_2S(O)_2Me$ ,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- $-C(O)CH_2CH_2S(O)_2Me$ ,
- -C(O)CH2CH2S(O)2Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH2CO2Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>tBu,
- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>H,
- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,

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- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- $-C(O)C(O)NMe_2$ ,
- -C(O)NH<sub>2</sub>,
- $-C(O)NMe_2$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH2-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- -C(O)NH-C(Me)2-C(O)OEt,
- $-C(O)NH-C(Me)_2-C(O)iPr$ ,
- $-C(O)NH-C(Me)_2-C(O)tBu$ ,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- -C(O)NH-C(Me)<sub>2</sub>-C(O)OH,

- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-CF(Me)-C(O)OH,
- -C(O)NH-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)2-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- $-C(O)NMe-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,

- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH2SO2Et,
- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO<sub>2</sub>iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO2tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH2CH2SO2Me,
- -C(O)N(Me)CH2CH2SO2Et,

- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH2NHS(O)Et,
- -CH2NHSO2Me,
- -CH2NHSO2Et,
- -CH2NHS(O)iPr,
- -CH2NHSO2iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH2NHCH2CH2SO2CH3,
- -CH2NH(CH2CO2H),
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CO<sub>2</sub>H, CH<sub>2</sub>C(O)NH<sub>2</sub>,
- -CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>C(O)NHMe,

- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,
- -CH(OH)C(O)NH $_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $-CH_2CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- $-CH_2CH_2S(O)NMe_2,\\$
- $-CH_2CH_2S(O)_2NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,

 $-CH_2CH_2CH_2S(O)Me,\\$ 

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,

 $\hbox{-CH}_2\hbox{CH}_2\hbox{CH}_2\hbox{S(O)}_2\hbox{Et},$ 

CH(Me)CH<sub>2</sub>C(O)OH,

 $-C(Me)_2CH_2C(O)OH$ ,

-5-tetrazolyl,

OH.

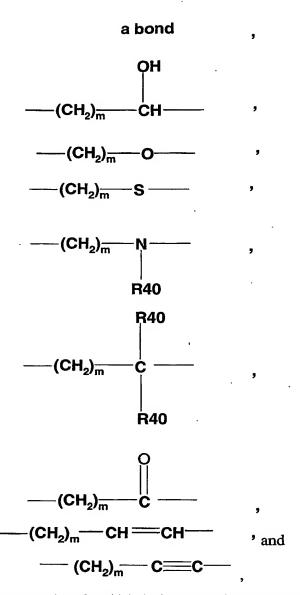
- -1,3,4-oxadiazolin-2-one-5-yl,
- -imidazolidine-2,4-dione-5-yl,
- -isoxazol-3-ol-yl, or
- -1,3,4-oxadiazolin-2-thione-5-yl;

provided that RP is substituted at either the 2, 5, or 6 position of the phenyl ring.

4. A compound according to claim 1 or a pharmaceutically acceptable salt or prodrug derivative thereof wherein

 $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{TB})$  are divalent linking groups independently selected from

the group consisting of



where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl; and

 $\hbox{-CH$_2$CH$_2$S(O)$_2$Me,}\\$ 

-CH2CH2S(O)Me,

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,

-CH<sub>2</sub>CH<sub>2</sub>S(O) Et,

-CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,

 $-CH_{2}CH_{2}S(O)tBu,\\$ 

 $-\mathrm{CH}_2\mathrm{CH}_2\mathrm{S}(\mathrm{O})_2\mathrm{tBu},$ 

 $-CH_2CH_2S(O)NH_2$ ,

-CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,

 $-CH_2CH_2S(O)NMe_2,\\$ 

 $-CH_2CH_2S(O)_2NH_2$ ,

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

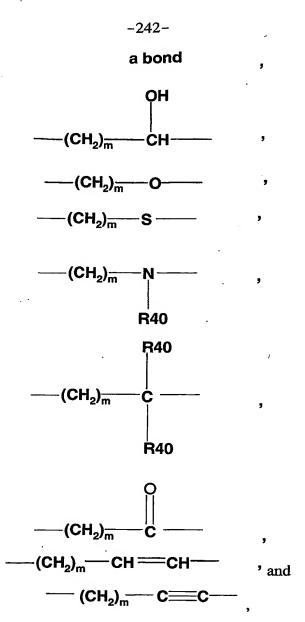
-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,

-C(O)OH,

-5-tetrazolyl,

- -isoxazol-3-ol-yl, or -1,3,4-oxadiazolin-2-thione-5-yl.
- 5. A compound according to claim 2 or a pharmaceutically acceptable salt or prodrug derivative thereof wherein  $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{BT})$  are divalent linking groups independently selected from the group consisting of



where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl; and

# ZBT is selected from

- $-O-(C_1-C_5 \text{ fluoroalkyl}),$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-phenyl,
- $-O-(C_1-C_5 \text{ alkyl})-(O)-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl}) \text{ NH}_2$
- $-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-OH,$
- -O-( $C_1$ - $C_5$  alkyl)-C(O)-NH-5-tetrazolyl,
- -O-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- $-O-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-NH_2$
- -O- $(C_1-C_5 \text{ alkyl})$ -NH- $(C_1-C_5 \text{ alkyl})$ ,
- -O-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -O-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $\hbox{-O-(C$_1$-C$_5$ alkyl)-SO$_2$-(C$_1$-C$_5$ alkyl,)}\\$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$
- -O-( $C_1$ - $C_5$  alkyl)-SO $_2$ -NH-( $C_1$ - $C_5$  alkyl),
- -O-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- $\hbox{-O-(C$_1$-C$_5$ alkyl)-S(O)-(C$_1$-C$_5$ alkyl,)}\\$
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$
- -O-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$

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- $-O-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$ ,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -O-CH<sub>2</sub>-CO<sub>2</sub>H,
- -O-CH<sub>2</sub>-5-tetrazolyl,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -O-C(O)-NH<sub>2</sub>,
- $-O-C(O)-N-(CH_3)_2$ ,
- -O-C(S)-N-(CH<sub>3</sub>)<sub>2</sub>,
- $-O-C(O)-O-(C_1-C_5 \text{ alkyl}),$
- -O-(5-tetrazolyl),
- $-O-SO_2-(C_1-C_5 alkyl,)$
- $-O-SO_2-NH_2$ ,
- $-O-SO_2'-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-SO_2-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-O-S(O)-(C_1-C_5 \text{ alkyl,})$
- -O-S(O)-NH<sub>2</sub>,
- $-O-S(O)-NH-(C_1-C_5 alkyl)$ ,
- $-O-S(O)-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-S-(C_1-C_5 \text{ alkyl}),$
- -S-( $C_2$ - $C_5$  alkenyl),
- -S-(C3-C5 cycloalkyl),
- -S-(C3-C5 cycloalkenyl),
- $-S-(C_1-C_5 fluoroalkyl)$ ,
- $-S-(C_1-C_5 \text{ hydroxyalkyl}),$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-phenyl,
- $-S-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$\hbox{-S-}(C_1\hbox{-}C_5 \hbox{ alkyl})\hbox{-SO}_2\hbox{-N-}(C_1\hbox{-}C_5 \hbox{ alkyl})_2,$$

$$\hbox{-S-}(C_1\hbox{-}C_5 \hbox{ alkyl})\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \hbox{ alkyl}),$$

-S-(C1-C5 alkyl)-P(O)-(O-C1-C5 alkyl)
$$_2$$
 ,

-S-
$$(C_1-C_5 \text{ alkyl})$$
-5-tetrazolyl,

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$
,

$$\hbox{-S-(C$_1$-C$_5$ alkyl)-S(O)-NH-(C$_1$-C$_5$ alkyl),}\\$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2,\\$$

$$-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),\\$$

$$-SO_2$$
-( $C_1$ - $C_5$  alkyl),

- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- $-SO_2-(C_1-C_5)$ -phenyl,
- $-SO_2-NH_2$
- -SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)OH,
- $-SO_2$ -NH-CH<sub>2</sub>-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)OH,
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NHC(O)-(C<sub>3</sub>-C<sub>6</sub> cycloalkyl),
- $-SO_2-NH-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \hbox{ alkyl})\hbox{-}C(O)\hbox{-}(C_1\hbox{-}C_5 \hbox{ alkyl}),$
- -SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl) NH<sub>2</sub>,
- -SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>,
- $-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-SO_2-(C_1-C_5 \ alkyl)-C(O)-N-(C_1-C_5 \ alkyl)_2,$
- $-SO_2-(C_1-C_5 \ alkyl)-NH-SO_2-(C_1-C_5 \ alkyl),\\$
- $-SO_2$ -( $C_1$ - $C_5$  alkyl)-N-pyrrolidin-2-one,
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub>-alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $-\mathrm{SO}_2\text{-}(\mathrm{C}_1\text{-}\mathrm{C}_5 \text{ alkyl})\text{-}\mathrm{C}(\mathrm{O})\text{-}\mathrm{O}\text{-}(\mathrm{C}_1\text{-}\mathrm{C}_5 \text{ alkyl}),$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- $-SO_2$ -( $C_1$ - $C_5$  alkyl)-5-tetrazolyl,
- $-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>

$$-SO_2-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$$
,

$$-SO_2-(C_1-C_5 alkyl)$$
,

$$-\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5\;\mathsf{hydroxyalkyl}),$$

$$-SO_2-(C_1-C_5)$$
-phenyl,

$$-SO_2-N=CHN(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-NH2$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-CH_2-C(O)OH$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)OH,$$

$$-S(O)-NH-CH_2-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$\hbox{-S(O)-NH-}(C_1\hbox{-}C_5 \text{ alkyl})\hbox{-}C(O)(O\hbox{-}C_1\hbox{-}C_5 \text{ alkyl}),$$

$$-S(O)HC(O)-(C_3-C_6 \text{ cycloalkyl}),$$

$$-S(O)-NH-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-N-(C_1-C_5 \text{ alkyl})_{2,}$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-O-(C$_1$-C$_5$ alkyl),}\\$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-C(O)-(C$_1$-C$_5$ alkyl),}\\$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-C(O)-(O-C$_1$-C$_5$ alkyl),}\\$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$
,

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-OH$$
,

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$

$$\hbox{-S(O)-(C$_1$-C$_5$ alkyl)-SO$_2$-NH-(C$_1$-C$_5$ alkyl),}\\$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-N=CHN(C_1-C_5 \text{ alkyl}) 2$$

-NHC(S)N-(
$$C_1$$
- $C_5$  alkyl)<sub>2</sub>,

- -NHC(S)NH-( $C_1$ - $C_5$  fluoroalkyl),
- -NHC(S)NH-C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl)
- -NHC(S)NH-phenyl,
- -NHC(S)NH-(C1-C5 alkyl)-C(O)-OH,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-(O- $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>.
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),

- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH2,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-(C2-C5 alkenyl),
- -NHC(O)NH-(C3-C5 cycloalkyl),
- -NHC(O)NH-(C3-C5 cycloalkenyl),
- -NHC(O)NH-( $C_1$ - $C_5$  hydroxyalkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -NHC(O)NH-phenyl,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NHC(O)NH-(C1-C $_5$  alkyl)-O-(C $_1$ -C $_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-

(1-methylpyrrolidin-2-one-3-yl),

-NHC(O)NH-(C1-C5 alkyl)-C(O)-OH,

- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-O-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-P(O)-O-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- $-NH_2$
- -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NH-CH<sub>2</sub>-C(O)OH,
- $-N-(C_1-C_5 \text{ alkyl})_2$
- -NH-C(O)-NH2,
- -NH-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NH-C(O)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NH-C(O)-( $C_1$ - $C_5$  alkyl),
- -NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- $-NH-S(O)-(C_1-C_5 \text{ alkyl}),$
- -N(CH<sub>3</sub>)(OCH<sub>3</sub>),
- -N(OH)(CH<sub>3</sub>),
- -N-pyrrolidin-2-one,
- -N-pyrrolidine,
- -(1-methylpyrrolidin-2-one-3-yl),
- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- $-C(O)CH_2S(O)Et$ ,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Me,

- $-C(O)CH_2S(O)_2Et$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- $-C(O)CH_2CH_2S(O)_2Me$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>tBu,
- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>H,
- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me)  $_2$ CO $_2$ iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,

- $-C(O)C(O)NMe_2$
- -C(O)NH<sub>2</sub>,
- $-C(O)NMe_2$
- $-C(O)NH-CH_2-C(O)OH$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH<sub>2</sub>-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- $-C(O)NH-C(Me)_2-C(O)OEt$ ,
- $-C(O)NH-C(Me)_2-C(O)iPr$ ,
- $-C(O)NH-C(Me)_2-C(O)tBu$ ,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- $-C(O)NH-CH(CF_3)-C(O)OH$ ,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-CF(Me)-C(O)OH,
- $-C(O)NH-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,

- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- $-C(O)NMe-CH_2-C(O)OH$ ,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)<sub>2</sub>-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH2SO2Me,
- -C(O)NHCH2SO2Et,

- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- $-C(O)N(Me)SO_2Me$ ,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO2iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO2tBu,
- $-C(O)N(Me)CH_2S(O)Me$ ,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH2CH2S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH2CH2SO2Me,
- -C(O)N(Me)CH2CH2SO2Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,

- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH<sub>2</sub>NHS(O)Et,
- -CH<sub>2</sub>NHSO<sub>2</sub>Me,
- -CH<sub>2</sub>NHSO<sub>2</sub>Et,
- -CH2NHS(O)iPr,
- -CH<sub>2</sub>NHSO<sub>2</sub>iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>,
- -CH<sub>2</sub>NH(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- - $CH_2$ -(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- $-CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CO<sub>2</sub>H, CH<sub>2</sub>C(O)NH<sub>2</sub>,
- $-CH_2C(O)NMe_2$ ,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,

- $-CH(OH)C(O)NH_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe<sub>2</sub>,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $-CH_2CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- - $CH_2CH_2S(O)Me$ ,
- $-CH_2CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- $-CH_{2}CH_{2}S(O)iPr,\\$
- $-CH_2CH_2S(O)_2iPr$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NMe<sub>2</sub>,
- $-CH_2CH_2S(O)_2NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

 $-CH_2CH_2CH_2S(O)_2Me,\\$ 

 $\hbox{-CH$_2$CH$_2$CH$_2$S(O)$_2$Et,}\\$ 

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$$0$$
 $N$ 
 $N$ 
 $N$ 
 $N$ 

-1,3,4-oxadiazolin-2-one-5-yl,

-imidazolidine-2,4-dione-5-yl,

-isoxazol-3-ol-yl, or

# -1,3,4-oxadiazolin-2-thione-5-yl.

6. A compound according to claim 3 or a pharmaceutically acceptable salt or prodrug derivative thereof wherein

 $(L_{P1})$ ,  $(L_{P2})$ , and  $(L_{BT})$  are divalent linking groups independently selected from the group consisting of

where m is 0, 1, or 2, and each R40 is independently hydrogen,  $C_1$ - $C_5$  alkyl, or  $C_1$ - $C_5$  fluoroalkyl; and

# ZBT is selected from

$$-O-(C_1-C_5 \text{ alkyl}),$$

$$-O-(C_1-C_5 \text{ hydroxyalkyl}),$$

$$-O-(C_1-C_5 \text{ fluoroalkyl}),$$

$$-O-(C_1-C_5 \text{ alkyl})-(O)-(C_1-C_5 \text{ alkyl}),$$

$$-O-(C_1-C_5 \text{ alkyl}) \text{ NH}_{2}$$

$$-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl})_2$$

$$-O-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

-O-(
$$C_1$$
- $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),

$$\hbox{-O-(C$_1$-C$_5$ alkyl)-C(O)-N-(C$_1$-C$_5$ alkyl)$_{2,}$}$$

-O-(
$$C_1$$
- $C_5$  alkyl)-C(O)-NH-5-tetrazolyl,

-O-(
$$C_1$$
- $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),

$$\hbox{-O-(C$_1$-C$_5$ alkyl)-C(O)-(O-C$_1$-C$_5$ alkyl),}\\$$

$$-O-(C_1-C_5 \text{ alkyl})-NH_2$$

$$-O-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-O-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$$

-O-(
$$C_1$$
- $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),

- -O-(C1-C5 alkyl)-N-pyrrolidine,
- -O-(C1-C5 alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl},)$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>,
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl},)$
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-O-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-O-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$ ,
- -O-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -O-CH<sub>2</sub>-CO<sub>2</sub>H,
- -O-CH<sub>2</sub>-5-tetrazolyl,
- $-O-(C_1-C_5 \text{ alkyl}),$
- -O-C(O)-NH<sub>2</sub>,
- $-O-C(O)-N-(CH_3)_2$ ,
- $-O-C(S)-N-(CH_3)_2$ ,
- $-O-C(O)-O-(C_1-C_5 \text{ alkyl}),$
- -O-(5-tetrazolyl),
- $-O-SO_2-(C_1-C_5 \text{ alkyl,})$
- $-O-SO_2-NH_2$ ,
- $-O-SO_2-NH-(C_1-C_5 \text{ alkyl}),$
- $-O-SO_2-N-(C_1-C_5 \text{ alkyl})_2$ ,
- $-O-S(O)-(C_1-C_5 \text{ alkyl,})$
- -O-S(O)-NH<sub>2</sub>,

$$-O-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-O-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$
,

$$-S-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ hydroxyalkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-OH,$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

-S-(
$$C_1$$
- $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),

-S-(
$$C_1$$
- $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,

-S-(
$$C_1$$
- $C_5$  alkyl) NH<sub>2</sub>,

-S-(
$$C_1$$
- $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),

-S-(
$$C_1$$
- $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,

$$-S-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-N-pyrrolidin-2-one,$$

$$-S-(C_1-C_5 \text{ alkyl})-N-pyrrolidine,$$

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$\hbox{-S-(C$_1$-C$_5$ alkyl)-SO$_2$-NH-(C$_1$-C$_5$ alkyl),}\\$$

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2,$$

$$-S-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$$
,

- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- -S-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-NH<sub>2</sub>
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$
- -S-(C<sub>1</sub>-C<sub>5</sub> alkyl)-S(O)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>,
- $-S-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-(C<sub>2</sub>-C<sub>5</sub> alkenyl),
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),
- -SO<sub>2</sub>-(C<sub>3</sub>-C<sub>5</sub> cycloalkenyl),
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl),
- -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- $-SO_2-(C_1-C_5)$ -phenyl,
- $-SO_2-NH_2$
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NH-CH<sub>2</sub>-C(O)OH,
- $-SO_2$ -NH-CH<sub>2</sub>-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)OH,
- $-SO_2$ -NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)(O-C<sub>1</sub>-C<sub>5</sub> alkyl),
- -SO<sub>2</sub>-NHC(O)-(C<sub>3</sub>-C<sub>6</sub> cycloalkyl),
- $-SO_2$ -NH-C(O)-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2-N-(C_1-C_5 \text{ alkyl})_2$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub>-alkyl)-O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl) NH<sub>2</sub>
- $-SO_2$ -(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-SO_2-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_2$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>,

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

$$-SO_2-(C_1-C_5 \text{ alkyl})-C(O)-O-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,

$$-SO_2$$
-( $C_1$ - $C_5$  alkyl)- $SO_2$ -( $C_1$ - $C_5$  alkyl),

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

$$-\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl})\text{-}\mathsf{SO}_2\text{-}(\mathsf{C}_1\text{-}\mathsf{C}_5 \text{ alkyl}),$$

$$\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5 \text{ alkyl})\hbox{-P(O)-}(O\hbox{-}C_1\hbox{-}C_5 \text{ alkyl})_2\;,$$

$$-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-SO_2$$
-( $C_2$ - $C_5$  alkenyl),

$$-SO_2$$
-(C<sub>3</sub>-C<sub>5</sub> cycloalkyl),

$$-SO_2$$
-( $C_1$ - $C_5$  hydroxyalkyl),

$$-SO_2$$
-( $C_1$ - $C_5$  fluoroalkyl),

$$\hbox{-SO}_2\hbox{-}(C_1\hbox{-}C_5)\hbox{-phenyl},$$

-SO<sub>2</sub>-N=CHN(
$$C_1$$
- $C_5$  alkyl) 2,

$$-S(O)-NH2$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-(C_1-C_5 alkyl)-C(O)OH$$
,

$$-S(O)-NH-CH_2-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-(C_1-C_5 \text{ alkyl})-C(O)(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-NH-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-N-(C_1-C_5 \text{ alkyl})_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-O-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-N-(C_1-C_5 \text{ alkyl})_{2,}$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-N-(C_1-C_5 \text{ alkyl})_2$$
,

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-NH-S(O)-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-(O-C_1-C_5 \text{ alkyl}),\\$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-C(O)-OH,$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-5-\text{tetrazolyl},$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \ alkyl)-S(O)-(C_1-C_5 \ alkyl),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH_2$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-NH-(C_1-C_5 \text{ alkyl}),$$

$$-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-N-(C_1-C_5 \text{ alkyl})_2$$

- $-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-N-(C_1-C_5 \text{ alkyl})_2$
- $-S(O)-(C_1-C_5 \text{ alkyl})-SO_2-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-S(O)-(C_1-C_5 \text{ alkyl}),$
- $-S(O)-(C_1-C_5 \text{ alkyl})-P(O)-(O-C_1-C_5 \text{ alkyl})_2$ ,
- $-S(O)-N=CHN(C_1-C_5 \text{ alkyl})_2$
- $-NHC(S)NH_2$
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>,
- -NHC(S)NH-(C2-C5 alkenyl),
- -NHC(S)NH-(C3-C5 cycloalkyl),
- -NHC(S)NH-(C3-C5 cycloalkenyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl),
- -NHC(S)NH-C<sub>1</sub>-C<sub>5</sub> hydroxyalkyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> fluoroalkyl)
- -NHC(S)NH-phenyl,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-OH,
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-O-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-(O- $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-(C<sub>1</sub>-C<sub>5</sub> alkyl),
- $-NHC(S)NH-(C_1-C_5 alkyl)-N-(C_1-C_5 alkyl)_2$
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>.
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-NH-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidin-2-one,

- -NHC(S)NH-(C1-C5 alkyl)-N-pyrrolidine,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-(1-methylpyrrolidin-2-one-3-yl),
- -NHC(S)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,
- $-NHC(S)NH-(C_1-C_5 alkyl)-SO_2-(C_1-C_5 alkyl),$
- -NHC(S)NH-(C1-C5 alkyl)-SO2-NH2
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-S(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(S)NH-( $C_1$ - $C_5$  alkyl)-P(O)-(O- $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH2,
- -NHC(O)NH-(C1-C5 alkyl),
- -NHC(O)N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,
- -NHC(O)NH-(C2-C5 alkenyl),
- -NHC(O)NH-(C3-C5 cycloalkyl),
- -NHC(O)NH-(C3-C5 cycloalkenyl),
- -NHC(O)NH-(C1-C5 hydroxyalkyl),
- -NHC(O)NH-(C1-C5 fluoroalkyl),
- -NHC(O)NH-phenyl,
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- -NHC(O)NH-( $C_1$ - $C_5$  alkyl)-NH-( $C_1$ - $C_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-(C<sub>1</sub>-C<sub>5</sub> alkyl)<sub>2</sub>
- -NHC(O)NH-(C1-C $_5$  alkyl)-O-(C $_1$ -C $_5$  alkyl),
- -NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH<sub>2</sub>
- $-NHC(O)NH-(C_1-C_5 alkyl)-NH-(C_1-C_5 alkyl),$

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-C(O)-NH<sub>2</sub>,

 $\hbox{-NHC}(O)\hbox{NH-}(C_1\hbox{-}C_5 \hbox{ alkyl})\hbox{-C}(O)\hbox{-NH-}(C_1\hbox{-}C_5 \hbox{ alkyl}),$ 

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-( $C_1$ - $C_5$  alkyl),

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>5</sub> alkyl),

-NHC(O)NH-(C1-C5 alkyl)-N-pyrrolidin-2-one,

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-N-pyrrolidine,

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-

(1-methylpyrrolidin-2-one-3-yl),

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-OH,

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-C(O)-O-( $C_1$ - $C_5$  alkyl),

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-5-tetrazolyl,

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-( $C_1$ - $C_5$  alkyl),

-NHC(O)NH-(C<sub>1</sub>-C<sub>5</sub> alkyl)-SO<sub>2</sub>-NH<sub>2</sub>,

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-NH-( $C_1$ - $C_5$  alkyl),

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-SO<sub>2</sub>-N-( $C_1$ - $C_5$  alkyl)<sub>2</sub>

-NHC(O)NH-( $C_1$ - $C_5$  alkyl)-P(O)-O-( $C_1$ - $C_5$  alkyl)<sub>2</sub>,

-NH<sub>2</sub>

-NH-( $C_1$ - $C_5$  alkyl),

-NH-CH<sub>2</sub>-C(O)OH,

 $-N-(C_1-C_5 \text{ alkyl})_2$ 

 $-NH-C(O)-NH_2$ ,

-NH-C(O)-NH-( $C_1$ - $C_5$  alkyl),

-NH-C(O)-N- $(C_1-C_5 \text{ alkyl})_2$ ,

-NH-C(O)-( $C_1$ - $C_5$  alkyl),

-NH-SO $_2$ -(C $_1$ -C $_5$  alkyl),

-NH-S(O)-( $C_1$ - $C_5$  alkyl),

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- -N(CH<sub>3</sub>)(OCH<sub>3</sub>),
- -N(OH)(CH<sub>3</sub>),
- -N-pyrrolidin-2-one,
- -N-pyrrolidine,
- -(1-methylpyrrolidin-2-one-3-yl),
- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>S(O)Et,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- $-C(O)CH_2CH_2S(O)Et$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO2tBu,
- -C(O)CH(Me)C(Me) 2CO2H,
- -C(O)CH(Me)C(Me) 2CO2Me,

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- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- $-C(O)C(O)NMe_2$
- -C(O)NH<sub>2</sub>,
- $-C(O)NMe_2$
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH<sub>2</sub>-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- $-C(O)NH-C(Me)_2-C(O)OEt$ ,
- $-C(O)NH-C(Me)_2-C(O)iPr$ ,
- -C(O)NH-C(Me)2-C(O)tBu,

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- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- -C(O)NH-C(Me)<sub>2</sub>-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- -C(O)NH-CF(Me)-C(O)OH,
- -C(O)NH-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)2-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,

- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- $-C(O)N(Me)SO_2Me$ ,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- $-C(O)N(Me)SO_2Me$ ,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO<sub>2</sub>iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO2tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH2SO2Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,

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- -C(O)N(Me)CH2CH2S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH2CH2SO2Me,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH<sub>2</sub>NHS(O)Me,
- -CH<sub>2</sub>NHS(O)Et,
- -CH<sub>2</sub>NHSO<sub>2</sub>Me,
- -CH2NHSO2Et,
- -CH<sub>2</sub>NHS(O)iPr,
- -CH2NHSO2iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>,
- -CH2NH(CH2CO2H),
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- $-CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>S(O)tBu,

- -CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- $-CH_2CO_2H$ ,  $CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,
- -CH(OH)C(O)NH $_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $-CH_2CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- $-CH_2CH_2S(O)_2Me,\\$
- $\hbox{-CH}_2\hbox{CH}_2\hbox{S(O)Me,}\\$
- $-CH_2CH_2S(O)_2Et,\\$
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- $\hbox{-CH}_2\hbox{CH}_2\hbox{S}(\hbox{O})_2\hbox{tBu},$
- $-CH_2CH_2S(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,

 $-CH_2CH_2S(O)NMe_2$ ,

 $-CH_2CH_2S(O)_2NH_2,\\$ 

-CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe

 $-CH_2CH_2S(O)_2NMe_2,\\$ 

 $-CH_2CH_2CH_2S(O)Me,\\$ 

 $-CH_2CH_2CH_2S(O)Et,\\$ 

 $\hbox{-CH}_2\hbox{CH}_2\hbox{CH}_2\hbox{S(O)}_2\hbox{Me},$ 

 $-CH_2CH_2CH_2S(O)_2Et,\\$ 

-5-tetrazolyl,

- -imidazolidine-2,4-dione-5-yl,
- -isoxazol-3-ol-yl, or
- -1,3,4-oxadiazolin-2-thione-5-yl.

#### The compound of Claim 1 7.

wherein for Formula IA;

R and R' are independently methy or ethyl;

RP and RT<sub>3</sub> are independently, hydrogen or methyl;

RP<sub>3</sub> and RB are independently hydrogen, methyl, ethyl, -O-methyl, or cyclopropyl;

 $(L_{P1})$  and  $(L_{TB})$  divalent linking groups are both bonds;

 $(L_{P2})$  is a bond,  $-CH_2$ -, -CH(OH)-, or -C(Me)OH-;

Zp is 1,1-dimethylethyl; 1-hydroxycyclopentyl, 1-hydroxycyclohexyl,

3-ethyl-3-hydroxypentyl, 3-ethyl-3-hydroxypentynyl;

 $Z_{TB}$  is

- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- -C(O)CH<sub>2</sub>S(O)Me,
- -C(O)CH2S(O)Et,
- -C(O)CH<sub>2</sub>S(O)<sub>2</sub>Me,
- $-C(O)CH_2S(O)_2Et$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- $-C(O)CH_2CH_2S(O)_2Me$ ,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH2CO2iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO2tBu,

- -C(O)CH(Me)C(Me) 2CO2H,
- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$
- -C(O)C(O)NHMe,
- $-C(O)C(O)NMe_2$ ,
- -C(O)NH<sub>2</sub>,
- $-C(O)NMe_2$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH<sub>2</sub>-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-C(Me)2-C(O)OMe,
- -C(O)NH-C(Me)<sub>2</sub>-C(O)OEt,

- -C(O)NH-C(Me)2-C(O)iPr,
- -C(O)NH-C(Me)2-C(O)tBu,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-CF(Me)-C(O)OH,
- -C(O)NH-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- $-C(O)NMe-CH_2-C(O)OMe$ ,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)<sub>2</sub>-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,

- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO<sub>2</sub>tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- $-C(O)N(Me)SO_2Me$ ,
- $-C(O)N(Me)SO_2Et$ ,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO2iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO<sub>2</sub>tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,

- -C(O)N(Me)CH2SO2Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH2CH2SO2Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH2NHS(O)Et,
- -CH2NHSO2Me,
- -CH<sub>2</sub>NHSO<sub>2</sub>Et,
- -CH2NHS(O)iPr,
- -CH<sub>2</sub>NHSO<sub>2</sub>iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH2NHCH2CH2SO2CH3,
- -CH<sub>2</sub>NH(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>S(O)iPr,

- $-CH_2S(O)_2iPr$ ,
- -CH<sub>2</sub>S(O)tBu,
- $-CH_2S(O)_2tBu$ ,
- -CH<sub>2</sub>CO<sub>2</sub>H, CH<sub>2</sub>C(O)NH<sub>2</sub>,
- -CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,
- -CH(OH)C(O)NH<sub>2</sub>,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH2CH2CO2Et,
- $-\mathrm{CH_2CH_2C}(\mathrm{O})\mathrm{NH_2},$
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- - $CH_2CH_2S(O)$  Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- $-\mathrm{CH_2CH_2S}(\mathrm{O})_2\mathrm{iPr},$
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,

- -CH<sub>2</sub>CH<sub>2</sub>S(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH2CH2CH2S(O)Et,
- -CH2CH2CH2S(O)2Me, or
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et.

## 8. The compound of claim 2 wherein for formula IB;

R and R' are independently methy or ethyl;

RP, RB, RB<sub>4</sub>, and RT<sub>3</sub> are independently, hydrogen or methyl;

 $RP_3$  and  $RB_7$  are independently hydrogen, methyl, ethyl, -O-methyl, or cyclopropyl;

(L<sub>P1</sub>) and (L<sub>BT</sub>) divalent linking groups are both bonds;

(L<sub>P2</sub>) is a bond, -CH<sub>2</sub>-, -CH(OH)-, or -C(Me)OH-;

Zp is 1,1-dimethylethyl; 1-hydroxycyclopentyl, 1-hydroxycyclohexyl,

3-ethyl-3-hydroxypentyl, 3-ethyl-3-hydroxypentenyl, 3-ethyl-3-hydroxypentynyl;

 $Z_{BT}$  is

- -CO<sub>2</sub>H,
- -CO<sub>2</sub>Me,
- -CO<sub>2</sub>Et,
- $-C(O)CH_2S(O)Me$ ,
- -C(O)CH<sub>2</sub>S(O)Et,
- -C(O)CH2S(O)2Me,
- $-C(O)CH_2S(O)_2Et$ ,
- -C(O)CH2CH2S(O)Me,

- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,
- -C(O)CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,
- -C(O)CH(Me)CH2CO2Me,
- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,
- -C(O)CH(Me)CH2CO2iPr,
- -C(O)CH(Me)CH2CO2tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO2tBu,
- -C(O)CH(Me)C(Me) 2CO2H,
- -C(O)CH(Me)C(Me) 2CO2Me,
- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- $-C(O)C(O)NMe_2$ ,
- -C(O)NH<sub>2</sub>,

- $-C(O)NMe_2$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- -C(O)NH-CH<sub>2</sub>-C(O)OMe,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH2-C(O)OiPr,
- -C(O)NH-CH<sub>2</sub>-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,
- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OMe$ ,
- -C(O)NH-C(Me)2-C(O)OEt,
- $-C(O)NH-C(Me)_2-C(O)iPr$ ,
- -C(O)NH-C(Me)2-C(O)tBu,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- $-C(O)NH-CH(CF_3)-C(O)OH$ ,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-CF(Me)-C(O)OH,
- $-C(O)NH-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,

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- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)<sub>2</sub>-C(O)OH,
- -C(O)NMe-CF(Me)-C(O)OH,
- $-C(O)NMe-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO<sub>2</sub>Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO<sub>2</sub>tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)NHCH2SO2Et,
- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,

- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO2iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO<sub>2</sub>tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH2CH2SO2Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,

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- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH2NHS(O)Et,
- -CH2NHSO2Me,
- -CH<sub>2</sub>NHSO<sub>2</sub>Et,
- -CH2NHS(O)iPr,
- -CH2NHSO2iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>,
- $-CH_2NH(CH_2CO_2H),$
- -CH<sub>2</sub>N(C(O)Me)(CH<sub>2</sub>CO<sub>2</sub>H),
- -CH<sub>2</sub>-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me,
- $-CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CO<sub>2</sub>H, CH<sub>2</sub>C(O)NH<sub>2</sub>,
- -CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,

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- $-CH(OH)C(O)NH_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- $-CH_2CH_2S(O)_2Me,\\$
- -CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- -CH2CH2S(O)NMe2,
- $-CH_2CH_2S(O)_2NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,

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-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Et,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me, or

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et.

9. The compound of claim 3 wherein for formula IC;

R and R' are independently methy or ethyl;

RP, RB, RB<sub>4</sub>, and RT<sub>3</sub> are independently, hydrogen or methyl;

RP<sub>3</sub> and RB<sub>7</sub> are independently hydrogen, methyl, ethyl, -O-methyl, or cyclopropyl;

(L<sub>P1</sub>) and (L<sub>BT</sub>) divalent linking groups are both bonds;

 $(L_{P2})$  is a bond,  $-CH_2$ -, -CH(OH)-, or -C(Me)OH-;

Zp is 1,1-dimethylethyl; 1-hydroxycyclopentyl, 1-hydroxycyclohexyl, 3-ethyl-3-hydroxypentyl, 3-ethyl-3-hydroxypentynyl;

 $Z_{BT}$  is

-CO<sub>2</sub>H,

-CO<sub>2</sub>Me,

-CO<sub>2</sub>Et,

-C(O)CH2S(O)Me,

-C(O)CH2S(O)Et,

-C(O)CH<sub>2</sub>S(O)<sub>2</sub>Me,

 $-C(O)CH_2S(O)_2Et$ ,

-C(O)CH2CH2S(O)Me,

-C(O)CH2CH2S(O)Et,

-C(O)CH2CH2S(O)2Me,

 $-C(O)CH_2CH_2S(O)_2Et$ ,

-C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>H,

 $-C(O)CH(Me)CH_2CO_2Me$ ,

-C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>Et,

-C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>iPr,

- -C(O)CH(Me)CH<sub>2</sub>CO<sub>2</sub>tBu,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Me)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Me)CO2iPr,
- -C(O)CH(Me)CH(Me)CO2tBu,
- -C(O)CH(Me)C(Me) 2CO2H,
- -C(O)CH(Me)C(Me) 2CO<sub>2</sub>Me,
- -C(O)CH(Me)C(Me) 2CO2Et,
- -C(O)CH(Me)C(Me) 2CO2iPr,
- -C(O)CH(Me)C(Me) 2CO2tBu,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>H,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Me,
- -C(O)CH(Me)CH(Et)CO<sub>2</sub>Et,
- -C(O)CH(Me)CH(Et)CO2iPr,
- -C(O)CH(Me)CH(Et)CO2tBu,
- -C(O)C(O)OH,
- $-C(O)C(O)NH_2$ ,
- -C(O)C(O)NHMe,
- -C(O)C(O)NMe2,
- -C(O)NH<sub>2</sub>,
- -C(O)NMe2,
- -C(O)NH-CH<sub>2</sub>-C(O)OH,
- $-C(O)NH-CH_2-C(O)OMe$ ,
- -C(O)NH-CH<sub>2</sub>-C(O)OEt,
- -C(O)NH-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NH-CH2-C(O)OtBu,
- -C(O)NH-CH(Me)-C(O)OH,
- -C(O)NH-CH(Me)-C(O)OMe,

- -C(O)NH-CH(Me)-C(O)OEt,
- -C(O)NH-CH(Me)-C(O)iPr,
- -C(O)NH-CH(Me)-C(O)tBu,
- -C(O)NH-CH(Et)-C(O)OH,
- $-C(O)NH-C(Me)_2-C(O)OH$ ,
- -C(O)NH-C(Me)<sub>2</sub>-C(O)OMe,
- $-C(O)NH-C(Me)_2-C(O)OEt$ ,
- -C(O)NH-C(Me)2-C(O)iPr,
- -C(O)NH-C(Me)2-C(O)tBu,
- -C(O)NH-CMe(Et)-C(O)OH,
- -C(O)NH-CH(F)-C(O)OH,
- -C(O)NH-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NH-CH(OH)-C(O)OH,
- -C(O)NH-CH(cyclopropyl)-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- -C(O)NH-C(Me)2-C(O)OH,
- -C(O)NH-CF(Me)-C(O)OH,
- $-C(O)NH-C(Me)(CF_3)-C(O)OH$ ,
- -C(O)NH-C(Me)(OH)-C(O)OH,
- -C(O)NH-C(Me)(cyclopropyl)CO<sub>2</sub>H
- -C(O)NMe-CH<sub>2</sub>-C(O)OH,
- -C(O)NMe-CH<sub>2</sub>-C(O)OMe,
- -C(O)NMe-CH<sub>2</sub>-C(O)OEt,
- -C(O)NMe-CH<sub>2</sub>-C(O)OiPr,
- -C(O)NMe-CH<sub>2</sub>-C(O)tBu,
- $-C(O)NMe-CH_2-C(O)OH$ ,
- -C(O)NMe-CH(Me)-C(O)OH,
- -C(O)NMe-CH(F)-C(O)OH,
- -C(O)NMe-CH(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-CH(OH)-C(O)OH,
- -C(O)NMe-CH(cyclopropyl)-C(O)OH,
- -C(O)NMe-C(Me)2-C(O)OH,

- -C(O)NMe-CF(Me)-C(O)OH,
- -C(O)NMe-C(Me)(CF<sub>3</sub>)-C(O)OH,
- -C(O)NMe-C(Me)(OH)-C(O)OH,
- -C(O)NMe-C(Me)(cyclopropyl)-C(O)OH,
- -C(O)NHS(O)Me,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)-NH-5-tetrazolyl,
- -C(O)NHS(O)Me,
- -C(O)NHS(O)Et,
- -C(O)NHSO<sub>2</sub>Me,
- -C(O)NHSO2Et,
- -C(O)NHS(O)iPr,
- -C(O)NHSO2iPr,
- -C(O)NHS(O)tBu,
- -C(O)NHSO2tBu,
- -C(O)NHCH<sub>2</sub>S(O)Me,
- -C(O)NHCH<sub>2</sub>S(O)Et,
- -C(O)NHCH2SO2Me,
- -C(O)NHCH2SO2Et,
- -C(O)NHCH2CH2S(O)Me,
- -C(O)NHCH2CH2S(O)Et,
- -C(O)NHCH2CH2SO2Me,
- -C(O)NHCH2CH2SO2Et,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)SO<sub>2</sub>Me,
- -C(O)-N(Me)-5-tetrazolyl,
- -C(O)N(Me)S(O)Me,
- -C(O)N(Me)S(O)Et,
- -C(O)N(Me)SO<sub>2</sub>Me,

- -C(O)N(Me)SO<sub>2</sub>Et,
- -C(O)N(Me)S(O)iPr,
- -C(O)N(Me))SO2iPr,
- -C(O)N(Me))S(O)tBu,
- -C(O)N(Me)SO2tBu,
- -C(O)N(Me)CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH<sub>2</sub>S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>SO<sub>2</sub>Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -C(O)N(Me)CH2CH2S(O)Et,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Me,
- -C(O)N(Me)CH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>Et,
- -CH<sub>2</sub>CO<sub>2</sub>H,
- -CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CO<sub>2</sub>Me,
- -CH<sub>2</sub>CO<sub>2</sub>Et,
- -CH2NHS(O)Me,
- -CH<sub>2</sub>NHS(O)Et,
- -CH<sub>2</sub>NHSO<sub>2</sub>Me,
- -CH2NHSO2Et,
- -CH<sub>2</sub>NHS(O)iPr,
- -CH2NHSO2iPr,
- -CH2NHS(O)tBu,
- -CH2NHSO2tBu,
- -CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>SO<sub>2</sub>CH<sub>3</sub>,
- $-CH_2NH(CH_2CO_2H),$
- $\hbox{-CH}_2\hbox{N(C(O)Me)(CH}_2\hbox{CO}_2\hbox{H),}\\$

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- -CH2-N-pyrrolidin-2-one,
- -CH<sub>2</sub>-(1-methylpyrrolidin-2-one-3-yl),
- -CH<sub>2</sub>S(O)Me,
- -CH<sub>2</sub>S(O)Et,
- $-CH_2S(O)_2Me$ ,
- $-CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>S(O)iPr,
- $-\mathrm{CH}_{2}\mathrm{S}(\mathrm{O})_{2}\mathrm{i}\mathrm{Pr},$
- -CH<sub>2</sub>S(O)tBu,
- $-CH_2S(O)_2tBu$ ,
- -CH $_2$ CO $_2$ H, CH $_2$ C(O)NH $_2$ ,
- $-CH_2C(O)NMe_2$ ,
- -CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>C(O)-N-pyrrolidine,
- -CH<sub>2</sub>S(O)<sub>2</sub>Me, CH<sub>2</sub>S(O)Me,
- -CH(OH) CO<sub>2</sub>H,
- $-CH(OH)C(O)NH_2$ ,
- -CH(OH)C(O)NHMe,
- -CH(OH)C(O)NMe2,
- -CH(OH)C(O)NEt2,
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H,
- $\hbox{-CH$_2$CH$_2$CO$_2$Me},$
- -CH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Et,
- $-CH_2CH_2C(O)NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>C(O)NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>-5-tetrazolyl,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me,

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- -CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- - $CH_2CH_2S(O)_2Et$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O) Et,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>iPr,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>tBu,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NH<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NHMe,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)NMe<sub>2</sub>,
- $-CH_2CH_2S(O)_2NH_2$ ,
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NHMe
- -CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>NMe<sub>2</sub>,
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)Me,
- -CH2CH2CH2S(O)Et,
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Me, or
- -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>S(O)<sub>2</sub>Et.
- 10. The compound represented by formula (C1) to (C22) or a pharmaceutically acceptable salt or prodrug derivative thereof:

C1)

C2)

C4)

C5)

C6)

C7)

C8)

C9)

C10)

C11)

C12)

C13)

C14)

C15)

C16)

C17)

C18)

S HOOH

C20)

C21)

C22)

11. The compound represented by the structural formula AA or a pharmaceutically acceptable salt or prodrug thereof:

12. A compound according to claim 1 or a pharmaceutically acceptable salt or prodrug thereof wherein said compound is selected from

- 13. The prodrug derivative of the compound according to any one of claims 1 to 12 wherein the prodrug is a methyl ester; ethyl ester; N,N-diethylglycolamido ester; or morpholinylethyl ester.
- The salt derivative of the compound according to any one of claims 1 to 13 14. wherein the salt is sodium or potassium.

- 15. A pharmaceutical formulation comprising the compound according to any one of claims 1 to 14 together with a pharmaceutically acceptable carrier or diluent.
  - 16. A formulation for treating osteoporosis comprising:

Ingredient (A1): the vitamin D receptor modulator according to any one of claims 1 to 14;

Ingredient (B1):

one or more co-agents selected from the group consisting of:

- a. estrogens,
- b. androgens,
- c. calcium supplements,
- d. vitamin D metabolites,
- e. thiazide diuretics,
- f. calcitonin,
- g. bisphosphonates,
- h. SERMS, and
- i. fluorides; and

Ingredient (C1): optionally, a carrier or diluent.

- 17. The formulation of claim 16 wherein the weight ratio of (A1) to (B1) is from 10:1 to 1:1000.
  - 18. A formulation for treating psoriais comprising:

Ingredient (A2): the vitamin D receptor modulator according to any one of claims 1 to 14;

Ingredient (B2):

one or more co-agents that are conventional for treatment psoriasis selected from the group consisting of:

- a. topical glucocorticoids,
- b. salicylic acid,
- c. crude coal tar; and

Ingredient (C2): optionally, a carrier or diluent.

- 19. The formulation of claim 18 wherein the weight ratio of (A2) to (B2) is from 1:10 to 1:100000.
- 20. A method of treating a mammal to prevent or alleviate the pathological effects of Acne, Actinic keratosis, Alopecia, Alzheimer's disease, Benign prostatic hyperplasia, Bladder cancer, Bone maintenance in zero gravity, Bone fracture healing, Breast cancer, Chemoprovention of Cancer, Crohn's disease, Colon cancer, Type I diabetes, Host-graft rejection, Hypercalcemia, Type II diabetes, Leukemia, Multiple sclerosis, Myelodysplastic syndrome, Insufficient sebum secretion, Osteomalacia, Osteoporosis, Insufficient dermal firmness, Insufficient dermal hydration, Psoriatic arthritis, Prostate cancer, Psoriasis, Renal osteodystrophy, Rheumatoid arthritis, Scleroderma, Skin cancer, Systemic lupus erythematosus, Skin cell damage from, Mustard vesicants, Ulcerative colitis, Vitiligo, or Wrinkles; wherein the method comprises administering a pharmaceutically effective amount of at least one compound according to any one of claims 1 to 14.
  - 21. The method of claim 20 for the treatment of psoriasis.
  - 22. The method of claim 20 for the treatment of osteoporosis.
- 23. A method of claim 20 for treating a mammal to prevent or alleviate skin cell damage from Mustard vesicants.
- 24. A method of treating a mammal to prevent or alleviate the pathological effects of benign prostatic hyperplasia or bladder cancer wherein the method comprises administering a pharmaceutically effective amount of at least one compound according to any one of claims 1 to 14.
- 25. A method of treating or preventing disease states mediated by the Vitamin D receptor, wherein a mammal in need thereof is administered a pharmaceutically

effective amount of the compound of any one of claims 1 to14.

- 26. A compound as claimed in any one of claims 1 to 14 for use in treating a mammal to prevent or alleviate the pathological effects of Acne, Actinic keratosis, Alopecia, Alzheimer's disease, Benign prostatic hyperplasia, Bladder cancer, Bone maintenance in zero gravity, Bone fracture healing, Breast cancer, Chemoprovention of Cancer, Crohn's disease, Colon cancer, Type I diabetes, Host-graft rejection, Hypercalcemia, Type II diabetes, Leukemia, Multiple sclerosis, Myelodysplastic syndrome, Insufficient sebum secretion, Osteomalacia, Osteoporosis, Insufficient dermal firmness, Insufficient dermal hydration, Psoriatic arthritis, Prostate cancer, Psoriasis, Renal osteodystrophy, Rheumatoid arthritis, Scleroderma, Skin cancer, Systemic lupus erythematosus, Skin cell damage from, Mustard vesicants, Ulcerative colitis, Vitiligo, or Wrinkles.
- 27. A compound as claimed in any one of claims 1 to 14 for use in treating or preventing disease states mediated by the Vitamin D receptor.
- 28. A compound as claimed in any one of claims 1 to 14 substantially as hereinbefore described with reference to any of the Examples.
- 29. A process for preparing a compound as claimed in any one of claims 1 to 14 substantially as hereinbefore described with reference to any of the Examples.
- 30. The use of a compound as claimed in any one of claims 1 to 14 substantially as herein described with reference to any of the Assays and Tables for mediating the Vitamin D receptor.